

**WHAT IS CLAIMED IS:**

1. An additive composition that is free of polycyclic carboxylic acids and of acid derivatives thereof, for a fuel oil composition, comprising:  
an additive, (a), comprising a plurality of monocarboxylic acids, each having from 10 to 24 carbon atoms, or acid derivatives thereof, less than 7 mass % of which acids or acids from which said derivatives are derived having a linear chain and being saturated, and the balance being unsaturated, at least 35 mass % of which balance being polyunsaturated.
2. An additive composition that is free of polycyclic carboxylic acids and of acid derivatives thereof, for a fuel oil composition, comprising or obtainable by mixing:  
an additive, (a'), comprising a plurality of monocarboxylic acids, each having from 10 to 24 carbon atoms, or acid derivatives thereof, less than 7 mass % of which acids or acids from which said derivatives are derived having a linear chain and being unsaturated, and the balance being unsaturated, at least 35 mass % of which balance being polyunsaturated; and  
either or both of an additive, (b), in the form of an anti-oxidant additive and an additive, (c), in the form of an electrical-conductivity improver additive.
3. An additive composition that is free of polycyclic carboxylic acids and of acid derivatives thereof, for a fuel oil composition, comprising or obtainable by mixing:  
an additive, (a''), comprising one or more monocarboxylic acids, the or each acid having from 10 to 24 carbon atoms, or acid derivatives thereof; and an additive, (c), in the form of an electrical-conductivity improver additive.

4. The additive composition as claimed in claim 1 or claim 3 additionally comprising or obtainable by mixing:  
an additive, (b), in the form of an anti-oxidant additive.
5. The additive composition as claimed in claim 1 additionally comprising or obtainable by mixing:  
an additive, (c), in the form of an electrical-conductivity improver additive.
6. The additive composition as claimed in claim 1 wherein a major proportion of the unsaturated acids or derivatives thereof has 18 carbon atoms.
7. The additive composition as claimed in claim 6 wherein the acids include oleic acid, linolenic acid and linoleic acid.
8. The additive composition as claimed in claim 1 additionally comprising, or obtainable by mixing, a carrier or diluent.
9. A fuel oil composition that is free of polycyclic carboxylic acids and of acid derivatives thereof comprising, or obtainable by mixing, a fuel oil such as a distillate fuel oil, in a major proportion, and an additive composition as claimed in claim 1, in a minor proportion.
10. The fuel oil composition as claimed in claim 9 wherein the fuel oil is a middle distillate fuel, a jet fuel or a Fischer-Tropsch fuel.

11. The fuel oil composition as claimed in claim 10 wherein the fuel oil is a middle distillate fuel having a cloud point of  $-5^{\circ}\text{C}$  or lower.
12. The fuel oil composition as claimed in claim 10 or claim 11 where the fuel oil is a middle distillate fuel containing less than 500 ppm by mass of sulphur.
13. A method of operating an internal combustion engine such as a compression-ignition engine using, as fuel for the engine, a fuel oil composition as claimed in any of claims 9 to 11.
14. The method of claim 13 wherein the fuel oil is a middle distillate fuel containing less than 500 ppm by mass of sulphur.